Epilepsy Research 17 (1994) 275–276

Contents of Volume 17 (1994)

Number 1 – January 1994

Research Reports

Limitation by gabapentin of high frequency action potential firing by mouse central neurons in cell culture
A.W. Wamil, M.J. McLean (USA) 1

Experimental seizures in the frog (*Rana pipiens*)
K.S. Blisard, K. Fagin, P. Falivena, M.D. Privitera, P. Olejniczak, D.A. Harrington, K.L. Taylor, O.U. Scremin (USA) 13

Persistent increases in dopamine D_2 receptor mRNA expression in basal ganglia following kindling
H.A. Gelbard, C.D. Applegate (USA) 23

Hypoxic-ischemic encephalopathy sustained in early postnatal life may result in permanent epileptic activity and an altered cortical convulsive threshold in rat
H.J. Romijn, R.A. Voskuyl, A.M.L. Coenen (The Netherlands) 31

Serologic HLA typing in cryptogenic Lennox-Gastaut syndrome
B.G.M. van Engelen, L.P. de Waal, C.M.R. Weemaes, W.O. Renier (The Netherlands) 43

GABA and phosphatidylserine in human photosensitivity: a pilot study
L. Cocito, A. Bianchetti, L. Bossi, L. Giberti, C. Loeb (Italy, France) 49

Epileptic seizures in 1902 patients: a perspective from a consultant neurological practice (1961–1991)
M.J. Eadie (Australia) 55

Time dependencies in the occurrences of epileptic seizures
L.D. Iasemidis, L.D. Olson, R.S. Savit, J.C. Sackellares (USA) 81

Number 2 – February 1994

Review Article

Strategies in antiepileptic drug development: is rational drug design superior to random screening and structural variation?
W. Löscher, D. Schmidt (Germany) 95

Research Reports

Chronic pretreatment with naloxone modifies benzodiazepine receptor binding in amygdaloid kindled rats
L. Rocha, R.F. Ackermann, H.T. Chugani, J. Engel Jr. (USA, Mexico) 135

The NMDA antagonist MK-801 suppresses behavioral seizures, augments afterdischarges, but does not block development of perforant path kindling
M.E. Gilbert (USA) 145

A microdialysis study of amino acid concentrations in the extracellular fluid of the substantia nigra of freely behaving GEPR-9s: relationship to seizure predisposition
M.C. Doretto, R.L. Burger, P.K. Mishra, N. Garcia-Cairasco, J.W. Dailey, P.C. Jobe (Brazil, USA) 157

The effect of the non-NMDA receptor antagonists GYKI 52466 and NBQX and the competitive NMDA receptor antagonist D-CPPene on the development of amygdala kindling and on amygdala-kindled seizures
N. Dürmüller, M. Craggs, B.S. Meldrum (UK) 167

Limbic encephalitis: a case report
N. Khan, H.G. Wieser (Switzerland) 175

Announcements 183

Number 3 – March 1994

Review Article

Cellular electrophysiology of human epilepsy
P.A. Schwartzkroin (USA) 185

Research Reports

Thalamic mediodorsal and intralaminar nuclear lesions disrupt the generation of experimentally induced generalized absence-like seizures in rats
P.K. Banerjee, O.C. Snead III (USA) 193

The competitive NMDA receptor antagonist CGP 40116 protects against status epilepticus-induced neuronal damage
D.G. Fujikawa, A.H. Daniels, J.S. Kim (USA) 207

Na,K-ATPase is decreased in hippocampus of kainate-lesioned rats
W.R. Anderson, J.E. Franck, W.L. Stahl, A.A. Maki (USA) 221

Regional distribution of ^{14}C-zonisamide in rat brain
T. Mimaki, H. Tanoue, Y. Matsunaga, H. Miyazaki, M. Mino (Japan) 233

Quantitative evaluation of neuronal loss in the dorsal hippocampus in rats with long-term pilocarpine seizures
Z. Liu, T. Nagao, G.C. Desjardins, P. Gloor, M. Avoli (Canada) 237

In vivo assessment of prevention of white-noise-induced seizure in magnesium-deficient rats by *N*-methyl-D-aspartate receptor blockers
M. Nakamura, S. Abe, Y. Goto, A. Chishaki, K. Akazawa, M. Kato (Japan) 249

The influence of polytherapy on the relationships between serum carbamazepine and its metabolites in epileptic children
H. Liu, M.R. Delgado (USA) 257

Erratum 271

Announcement 272

Author Index to Volume 17 (1994) 273

Contents of Volume 17 (1994) 275